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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/815,316	03/22/2001	William Montgomery Sjostrom	END9 2000 0174 US1	4657

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EXAMINER

TRUONG, LECHI

ART UNIT	PAPER NUMBER
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2126

DATE MAILED: 01/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/815,316

Applicant(s)

SJOSTROM

Examiner

LeChi Truong

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 August 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-32 are presented for the examination.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims **1-9, 13-30, 32** are rejected under 35 U.S.C. 103(a) as being unpatentable over England (US. Patent 6,144,991) in view of JS (JavaScript and Frames, Part II- The famous Memory Game).

3. **As to claim 1**, England teaches the invention substantially as claimed including: a client browser (the conventional browser, col 12, ln 30-47/ col 34, ln 10-15), a frame set (frameset 902 and frame 904, col 12, ln 30-55/ the remotely displayable frame and frames, col 34, ln 10-15), a function frame and content frame (frame 906/980/910/904, col 12, ln 40-67 to col 13, ln 1-7/ fours frames, col 10, ln 53-67), loading (loading/ fill, col 12, ln 35-46/ down load, col 13, ln 4-6), application code (the content/, a chat program, col 12, ln 35-45/ ln 53-55/ applet program, col 13, ln 4-6/ collaborative tools , col 10, ln 56-58/col 11, ln 10-15), the user interaction with said content frame executing said application code(col 4, ln 51-55/ col 12, ln 60-62).

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4. England do not explicit teach the term “ storing functions and variables that are called by code in all frames”. However, JS teaches storing functions and variables that are called by code in all frames (sec: Handling mouse clicks, ln 1/ section: the Frames, 59-65).

5. It would have been obvious to one of the ordinary skill in the art at the time the invention was made to combine the teaching of England and JS because JS’s storing functions and variables that are called by code in all frames would share the functions between frames and provide the access from any frame to functions storing in the top frameset.

6. **As to claim 2**, England teaches a data accumulation frame (Frame 908 contains a chat program, col 12, ln 53-57), accumulation data entered to said content frame in said data accumulation frame for eventual communication to said server (the client has typed “ tell me about Adapt/X solutions” which will sent to the guide, col 12, ln 53-56).

7. **As to claim 3**, England teaches initializing said data accumulation frame with application specific data input fields (col 21, ln 40-46), executing said application code to load said data input fields from said data accumulation frame to said content frame (col 21, ln 45-67).

8. **As to claim 4**, England teaches loading programming code function, data object and global variables to said footer frame (col 10, ln 52-56/ col 12, ln 30-45).

9. **As to claim 5**, England teaches filling said content frame from a server view (col 12, ln 40-43).

10. **As to claim 6**, England teaches loading database data (load internet resources, col 10, ln 52054).

11. **As to claim 7**, JS teaches executing said application code response to calls from said content frames (sec: Handling mouse clicks, ln 1/ section: the Frames, 59-65).

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12. **As to claim 8**, England teaches data stored locally in the browser prior transmission to said server (“tell me about Adapt/X solutions” which will be sent to the guide by pressing the send icon 912, col 12, ln 53-56).

13. **As to claim 9**, England teaches requisition and catalog (an electronic catalog, col 14, ln 5-10).

17. **As to claims 13, 14, 15**, they are apparatus claims of claims 1, 2, 3; therefore, it is rejected for the same reasons as claims 1,2, 3 above.

18. **As to claims 16**, it is an apparatus claim of claim 4; therefore, it is rejected for the same reason as claim 4 above. In additional, England teaches accessible to said content frame (a chat program such as a chat applet can be implemented to enable students to ask the teacher question, col 14, ln 25-28).

19. **As to claims 17- 20**, they are apparatus claims of claims 5-8; therefore, they are rejected for the same reasons as claims 5-8 above.

20. **As to claim 21**, it is an apparatus claim of claim 1; therefore, it is rejected for the same reason as claim 1 above. In additional, England teaches a program of instruction executable by machine (computer 104, computer 105, fig. 2, col 1, ln 30-37).

21. **As to claims 22-30, 32**, they are apparatus claims of claims 2-10, 21; therefore, they are rejected for the same reasons as claims 2-10, 21 above.

2. Claims 10, 11, 12, 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over England (US. Patent 6,144,991) in view of JS (JavaScript and Frames, Part ii- The famous Memory Game) and further in view of Duursma et al (Us. Patent 6,643,690 B2).

As to claim 10, England, JS do not teach responsive to user input at said content frame executing said application code from said function frame to create or process a requisition.

However, Duursma teaches responsive to user input at said content frame executing said application code from said function frame to create or process a requisition (each icon 122... represented application is available to the user of the client node for execution...the user can select and launch one of the applications, col 14, ln 24-35/ col 8, ln 5-23/col 2, ln 12-21).

5. It would have been obvious to one of the ordinary skill in the art at the time the invention was made to combine the teaching of England, JS and Duursma because Duursma's responsive to user input at said content frame executing said application code from said function frame to create or process a requisition would enable the user of a client system to become informed about available application programs on servers in a network without requiring the user to know where to find such application.

14. **As to claim 11**, England teaches accumulating requisition data ("tell me about Adapt /X solutions", col 12, ln 53-56), data accumulation frame (Frame 908, col 12, ln 53-56), transmission (sent, col 12, ln 53-56), server (the guide, col 12, ln 53-56).

16. **As to claim 12**, Duursma teaches create dynamically generated new pages of information, data, and user input screens, in the browser, without further server communication (processor 17 can execute application programs locally on the client 17 and display a resulting windows-based desktop on the display screen 12, col 4, ln 48-55/ Fig. 10).

21. **As to claim 31**, it is an apparatus claim of claim 11; therefore, it is rejected for the same reasons as claim 11 above.

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to LeChi Truong whose telephone number is (703) 305 5312. The examiner can normally be reached on 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on 703-305-9678. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIP. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIP system, contact the Electronic Business Center (EBC) at 866-217-9197(toll-free).

LeChi Truong

December 20, 2004


SUE LAO
PRIMARY EXAMINER